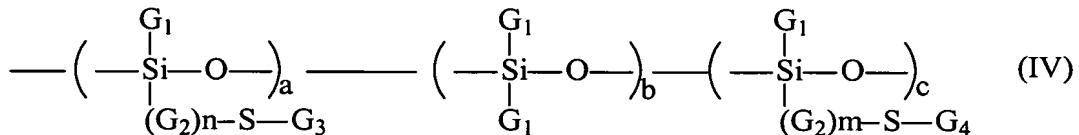


Application Serial No. 09/533,361  
Response to Office Action dated March 24, 2006

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (Currently Amended): A method for reducing the signs of cutaneous aging on a person in need thereof, comprising applying onto skin comprising signs of cutaneous aging a composition comprising an amount of at least one grafted silicone polymer effective to reduce signs of cutaneous aging, wherein said grafted silicone polymer comprises a polysiloxane portion and a portion comprising a non-silicone organic chain, one of the two portions constituting a main chain of the polymer and the other being grafted to the main chain, wherein the grafted silicone polymer is a polymer with a polysiloxane backbone grafted by at least one non-silicone organic monomer and comprises, in its structure, the unit of following formula (IV):

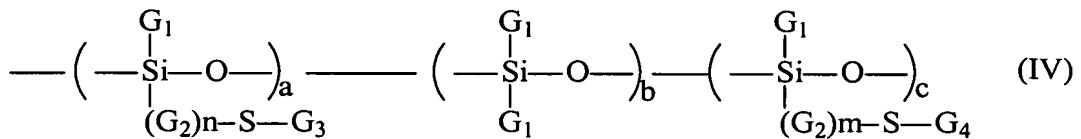


in which the  $\text{G}_1$  groups, which are identical or different, represent hydrogen or a  $\text{C}_1\text{-}\text{C}_{10}$  alkyl group or alternatively a phenyl group; the  $\text{G}_2$  groups, which are identical or different, represent a  $\text{C}_1\text{-}\text{C}_{10}$  alkene group;  $\text{G}_3$  represents a polymeric group prepared by the (homo)polymerization of at least one anionic monomer with ethylenic unsaturation;  $\text{G}_4$  represents a polymeric group prepared by the (homo)polymerization of at least one hydrophobic monomer with ethylenic unsaturation;  $m$  and  $n$  are, independently of one

another, equal to 0 or 1; a is an integer ranging from 0 to 50; b is an integer which can be between 10 and 350 and c is an integer ranging from 0 and 50, with the proviso that one of the parameters a and c is other than 0.

Claim 2 (Canceled).

Claim 3 (Currently Amended): A method for reducing wrinkles on a person in need thereof comprising applying onto skin comprising wrinkles a composition comprising a wrinkle-reducing effective amount of at least one grafted silicone polymer comprising a polysiloxane portion and a portion comprising a non-silicone organic chain, one of the two portions constituting a main chain of the polymer and the other being grafted to the main chain, wherein the grafted silicone polymer is a polymer with a polysiloxane backbone grafted by at least one non-silicone organic monomer and comprises, in its structure, the unit of following formula (IV):



in which the G<sub>1</sub> groups, which are identical or different, represent hydrogen or a C<sub>1</sub>-C<sub>10</sub> alkyl group or alternatively a phenyl group; the G<sub>2</sub> groups, which are identical or different, represent a C<sub>1</sub>-C<sub>10</sub> alkene group; G<sub>3</sub> represents a polymeric group prepared by the (homo)polymerization of at least one anionic monomer with ethylenic unsaturation; G<sub>4</sub> represents a polymeric group prepared by the (homo)polymerization of at least one

hydrophobic monomer with ethylenic unsaturation; m and n are, independently of one another, equal to 0 or 1; a is an integer ranging from 0 to 50; b is an integer which can be between 10 and 350 and c is an integer ranging from 0 and 50, with the proviso that one of the parameters a and c is other than 0.

Claims 4-16 (Canceled).

Claim 17 (Previously Presented): The method of Claim 1, wherein the unit of formula (IV) has at least one of the following:

- $G_1$  is a  $C_1-C_{10}$  alkyl group;
- n is not zero and  $G_2$  is a divalent  $C_1-C_3$  group;
- $G_3$  is a polymeric group prepared by the (homo) polymerization of at least one monomer comprising a carboxylic acid group and having ethylenic unsaturation;
- $G_4$  is a polymeric group prepared by the (homo) polymerization of at least one ( $C_1-C_{10}$ ) alkyl (meth) acrylate monomer.

Claim 18 (Previously Presented): The method of Claim 17, wherein the grafted silicone polymer corresponding to the formula (IV) is a polydimethylsiloxane to which are grafted, via a thiopropylene connecting link, mixed polymer units comprising poly ((meth)acrylic acid) and poly (alkyl (meth) acrylate).

Claim 19 (Previously Presented): The method of Claim 1 or 3, wherein the grafted silicone polymer comprises from 0.03 to 25% of the total weight of the composition.

Claim 20 (Previously Presented): A composition comprising, in a physiologically acceptable medium, (1) a wrinkle-reducing effective amount of at least one grafted silicone polymer comprising a polysiloxane portion and a portion comprising a non-silicone organic

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chain, one of the two portions constituting the main chain of the polymer and the other being grafted to the said main chain and (2) one or more plant proteins.

Claim 21 (Previously Presented): A composition comprising, in a physiologically acceptable medium, (1) a wrinkle-reducing effective amount of at least one grafted silicone polymer comprising a polysiloxane portion and a portion comprising a non-silicone organic chain, one of the two portions constituting the main chain of the polymer and the other being grafted to the said main chain and (2) one or more slimming, firming, antiglycант and/or vasoprotective compounds.

Claim 22 (Previously Presented): The composition of Claim 21, wherein the compounds are selected from the group consisting of: a horse chestnut extract, an ivy extract, a butcher's broom extract, a *Bupleurum chinesis* extract, an algal extract, caffeine and rutinyl salts.

Claim 23 (Canceled).

Claim 24 (Original): The method of Claim 17, wherein the unit of formula (IV) has all of the following characteristics:

- $G_1$  is a  $C_1$ - $C_{10}$  alkyl group;
- $n$  is not zero and  $G_2$  is a divalent  $C_1$ - $C_3$  group;
- $G_3$  is a polymeric group prepared by the (homo)polymerization of at least one monomer comprising a carboxylic acid group and having ethylenic unsaturation;
- $G_4$  is a polymeric group prepared by the (homo)polymerization of at least one ( $C_1$ - $C_{10}$ ) alkyl (meth) acrylate monomer.

Claim 25 (Previously Presented): The method of Claims 1 or 3, wherein the grafted

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silicone polymer comprises from 0.3 to 6% of the total weight of the composition.

Claim 26 (Previously Presented): The method of Claims 1 or 3, wherein the grafted silicone polymer comprises approximately 2% of the total weight of the composition.

Claim 27 (Previously Presented): The method according to Claim 1, further comprising allowing said composition to remain on the skin after said applying, thereby forming a film.

Claim 28 (Previously Presented): The method according to Claim 1, further comprising allowing said composition to remain on the skin after said applying, thereby forming a film.

Claim 29 (Previously Presented): The method according to Claim 1, further comprising allowing said composition to remain on the skin after said applying, thereby forming a film.

Claim 30 (Previously Presented): The composition according to Claim 21, wherein the slimming, firming antiglycant and/or vasoprotective compound is selected from the group consisting of phosphodiesterase inhibitors, 1-hydroxyalkylxanthines, caffeine citrate, theophylline, theobromine, acephylline, aminophylline, chloroethyltheophylline, diprophylline, diniprophylline, etamiphylline, xanthine, caffeine, silanol, compounds of natural origin comprising xanthine bases; tea extract, coffee extract, guarana extract, maté extract, cola (*Cola nitida*) extract, the dry extract of guarana (*Paulina sorbilis*) fruit, ephedrine, plant extracts of *Garcinia cambogia*, *Bupleurum chinensis* extracts, extracts of English ivy (*Hedera helix*), extracts of mountain tobacco (*Arnica montana L*), extracts of rosemary (*Rosmarinus officinalis*), extracts of marigold (*Calendula officinalis*), extracts of sage (*Salvia officinalis*

*L*), extracts of ginseng (*Panax ginseng*), extracts of St John's Wort (*Hypericum perforatum*), extracts of butcher's broom (*Ruscus aculeatus L*), extracts of meadowsweet (*Filipendula ulmaria L*), extracts of cat's whiskers (*Orthosiphon stamineus Benth*), extracts of birch (*Betula alba*), *Ginkgo biloba* extracts, horsetail extracts, horse chestnut extracts, cangzhu extracts, *Chrysanthellum indicum* extracts, *Armeniaceae* extracts, *Atractylodis* extracts, *Platycodon* extracts, *Sinommenum* extracts, *Pharbitidis* extracts, *Flemingia* extracts, *Coleus* extracts, extracts of *C. forskohlii*, extracts of *C. blumei*, extracts of *C. esquirolii*, extracts of *C. scutellaroides*, extracts of *C. xanthantus*, extracts of *C. barbatus*, extracts of *Coleus barbatus* root, forskolin, *Ballota* extracts, extracts of *Guioa*, extracts of *Davallia*, extracts of *Terminalia*, extracts of *Barringtonia*, extracts of *Trema*, extracts of *Antirobia*, algal extracts, red alga (*Gelidium cartilagineum*) extract, *Laminaria digitata* extract, protamines, flavonoids, ruscogenins, esculosides, aescine, horse chestnut, nicotinates, hesperidin methyl chalcone, essential oils of lavender, essential oils of rosemary, the disodium salt of rutinyl sulphate, *Centella asiatica*, *Siegesbeckia* extracts, yeast extracts of *Saccharomyces cerevisiae*, silicon, amadorine, ivy extract, and mixtures thereof.

Claim 31 (Previously Presented): The method of claim 18, wherein the grafted silicone polymer comprises from 0.03 to 25% of the total weight of the composition.

Claim 32 (Previously Presented): The method of claim 18, wherein the grafted silicone polymer comprises from 0.3 to 6% of the total weight of the composition.

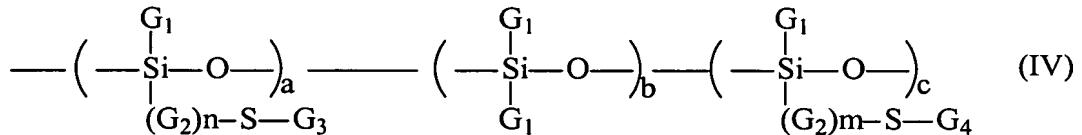
Claim 33 (Previously Presented): The method of claim 18, wherein the grafted silicone polymer comprises approximately 2% of the total weight of the composition.

Claim 34 (Previously Presented): A composition comprising, in a physiologically

acceptable medium, (1) a signs of cutaneous aging reducing effective amount of at least one grafted silicone polymer comprising a polysiloxane portion and a portion comprising a non-silicone organic chain, one of the two portions constituting the main chain of the polymer and the other being grafted to the said main chain and (2) one or more plant proteins.

**Claim 35 (Previously Presented):** A composition comprising, in a physiologically acceptable medium, (1) a signs of cutaneous aging reducing effective amount of at least one grafted silicone polymer comprising a polysiloxane portion and a portion comprising a non-silicone organic chain, one of the two portions constituting the main chain of the polymer and the other being grafted to the said main chain and (2) one or more slimming, firming, antiglycant and/or vasoprotective compounds.

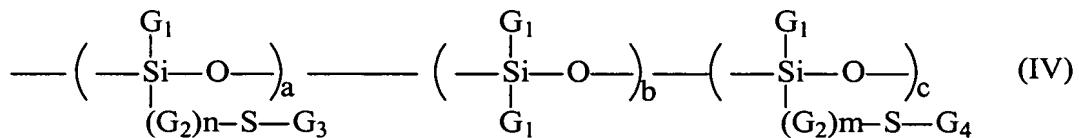
**Claim 36 (Previously Presented):** The composition of claim 20, wherein the grafted silicone polymer comprises, in its structure, the unit of following formula (IV):



in which the G<sub>1</sub> groups, which are identical or different, represent hydrogen or a C<sub>1</sub>-C<sub>10</sub> alkyl group or alternatively a phenyl group; the G<sub>2</sub> groups, which are identical or different, represent a C<sub>1</sub>-C<sub>10</sub> alkene group; G<sub>3</sub> represents a polymeric group prepared by the (homo)polymerization of at least one anionic monomer with ethylenic unsaturation; G<sub>4</sub> represents a polymeric group prepared by the (homo)polymerization of at least one hydrophobic monomer with ethylenic unsaturation; m and n are, independently of one

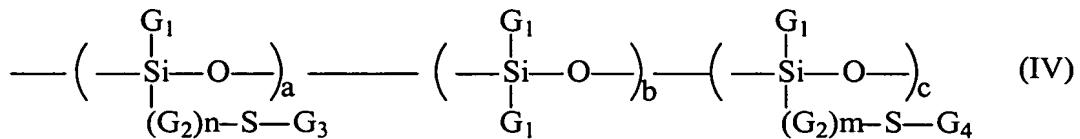
another, equal to 0 or 1; a is an integer ranging from 0 to 50; b is an integer which can be between 10 and 350 and c is an integer ranging from 0 and 50, with the proviso that one of the parameters a and c is other than 0.

Claim 37 (Previously Presented): The composition of claim 21, wherein the grafted silicone polymer comprises, in its structure, the unit of following formula (IV):



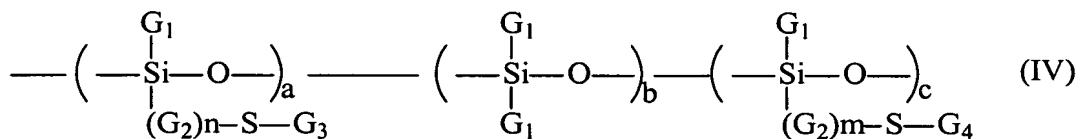
in which the G<sub>1</sub> groups, which are identical or different, represent hydrogen or a C<sub>1</sub>-C<sub>10</sub> alkyl group or alternatively a phenyl group; the G<sub>2</sub> groups, which are identical or different, represent a C<sub>1</sub>-C<sub>10</sub> alkene group; G<sub>3</sub> represents a polymeric group prepared by the (homo)polymerization of at least one anionic monomer with ethylenic unsaturation; G<sub>4</sub> represents a polymeric group prepared by the (homo)polymerization of at least one hydrophobic monomer with ethylenic unsaturation; m and n are, independently of one another, equal to 0 or 1; a is an integer ranging from 0 to 50; b is an integer which can be between 10 and 350 and c is an integer ranging from 0 and 50, with the proviso that one of the parameters a and c is other than 0.

Claim 38 (Previously Presented): The composition of claim 22, wherein the grafted silicone polymer comprises, in its structure, the unit of following formula (IV):



in which the  $\text{G}_1$  groups, which are identical or different, represent hydrogen or a  $\text{C}_1\text{--C}_{10}$  alkyl group or alternatively a phenyl group; the  $\text{G}_2$  groups, which are identical or different, represent a  $\text{C}_1\text{--C}_{10}$  alkene group;  $\text{G}_3$  represents a polymeric group prepared by the (homo)polymerization of at least one anionic monomer with ethylenic unsaturation;  $\text{G}_4$  represents a polymeric group prepared by the (homo)polymerization of at least one hydrophobic monomer with ethylenic unsaturation;  $\text{m}$  and  $\text{n}$  are, independently of one another, equal to 0 or 1;  $\text{a}$  is an integer ranging from 0 to 50;  $\text{b}$  is an integer which can be between 10 and 350 and  $\text{c}$  is an integer ranging from 0 and 50, with the proviso that one of the parameters  $\text{a}$  and  $\text{c}$  is other than 0.

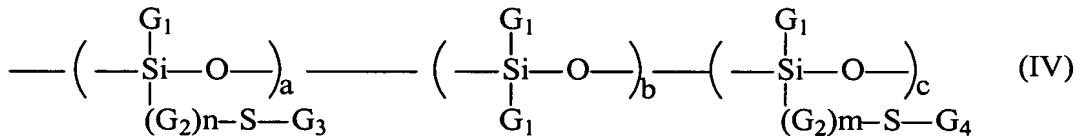
Claim 39 (Previously Presented): The composition of claim 30, wherein the grafted silicone polymer comprises, in its structure, the unit of following formula (IV):



in which the  $\text{G}_1$  groups, which are identical or different, represent hydrogen or a  $\text{C}_1\text{--C}_{10}$  alkyl group or alternatively a phenyl group; the  $\text{G}_2$  groups, which are identical or different, represent a  $\text{C}_1\text{--C}_{10}$  alkene group;  $\text{G}_3$  represents a polymeric group prepared by the

(homo)polymerization of at least one anionic monomer with ethylenic unsaturation; G<sub>4</sub> represents a polymeric group prepared by the (homo)polymerization of at least one hydrophobic monomer with ethylenic unsaturation; m and n are, independently of one another, equal to 0 or 1; a is an integer ranging from 0 to 50; b is an integer which can be between 10 and 350 and c is an integer ranging from 0 and 50, with the proviso that one of the parameters a and c is other than 0.

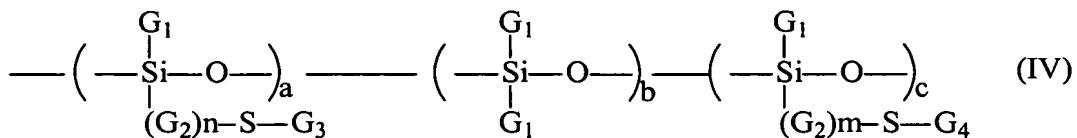
Claim 40 (Previously Presented): The composition of claim 34, wherein the grafted silicone polymer comprises, in its structure, the unit of following formula (IV):



in which the G<sub>1</sub> groups, which are identical or different, represent hydrogen or a C<sub>1</sub>-C<sub>10</sub> alkyl group or alternatively a phenyl group; the G<sub>2</sub> groups, which are identical or different, represent a C<sub>1</sub>-C<sub>10</sub> alkene group; G<sub>3</sub> represents a polymeric group prepared by the (homo)polymerization of at least one anionic monomer with ethylenic unsaturation; G<sub>4</sub> represents a polymeric group prepared by the (homo)polymerization of at least one hydrophobic monomer with ethylenic unsaturation; m and n are, independently of one another, equal to 0 or 1; a is an integer ranging from 0 to 50; b is an integer which can be between 10 and 350 and c is an integer ranging from 0 and 50, with the proviso that one of the parameters a and c is other than 0.

Claim 41 (Previously Presented): The composition of claim 35, wherein the grafted

silicone polymer comprises, in its structure, the unit of following formula (IV):



in which the G<sub>1</sub> groups, which are identical or different, represent hydrogen or a C<sub>1</sub>-C<sub>10</sub> alkyl group or alternatively a phenyl group; the G<sub>2</sub> groups, which are identical or different, represent a C<sub>1</sub>-C<sub>10</sub> alkene group; G<sub>3</sub> represents a polymeric group prepared by the (homo)polymerization of at least one anionic monomer with ethylenic unsaturation; G<sub>4</sub> represents a polymeric group prepared by the (homo)polymerization of at least one hydrophobic monomer with ethylenic unsaturation; m and n are, independently of one another, equal to 0 or 1; a is an integer ranging from 0 to 50; b is an integer which can be between 10 and 350 and c is an integer ranging from 0 and 50, with the proviso that one of the parameters a and c is other than 0.

Claim 42 (Previously Presented): The composition of claim 36, wherein the grafted silicone polymer corresponding to the formula (IV) is a polydimethylsiloxane to which are grafted, via a thiopropylene connecting link, mixed polymer units comprising poly((meth)acrylic acid) and poly (alkyl (meth)acrylate).

Claim 43 (Previously Presented): The composition of claim 37, wherein the grafted silicone polymer corresponding to the formula (IV) is a polydimethylsiloxane to which are grafted, via a thiopropylene connecting link, mixed polymer units comprising poly((meth)acrylic acid) and poly (alkyl (meth)acrylate).

**Claim 44 (Previously Presented):** The composition of claim 38, wherein the grafted silicone polymer corresponding to the formula (IV) is a polydimethylsiloxane to which are grafted, via a thiopropylene connecting link, mixed polymer units comprising poly((meth)acrylic acid) and poly (alkyl (meth)acrylate).

**Claim 45 (Previously Presented):** The composition of claim 39, wherein the grafted silicone polymer corresponding to the formula (IV) is a polydimethylsiloxane to which are grafted, via a thiopropylene connecting link, mixed polymer units comprising poly((meth)acrylic acid) and poly (alkyl (meth)acrylate).

**Claim 46 (Previously Presented):** The composition of claim 40, wherein the grafted silicone polymer corresponding to the formula (IV) is a polydimethylsiloxane to which are grafted, via a thiopropylene connecting link, mixed polymer units comprising poly((meth)acrylic acid) and poly (alkyl (meth)acrylate).

**Claim 47 (Previously Presented):** The composition of claim 41, wherein the grafted silicone polymer corresponding to the formula (IV) is a polydimethylsiloxane to which are grafted, via a thiopropylene connecting link, mixed polymer units comprising poly((meth)acrylic acid) and poly (alkyl (meth)acrylate).